

Listing of Claims:

This listing of claims will replace all prior versions, and listings, of claims in the application:

1. (previously amended) An electric lamp which is provided with an electric light source in a light-transmitting bulb provided with a coating consisting essentially of an inorganic colored pigment selected from the group formed by oxide nitride pigments of the general formula

$A_{1-x}A'_xBO_{2-x}N_{1+x}$ , wherein

A = Mg, Ca, Sr, Ba, Zn,

A' = Ln, Bi, Al, Fe,

B = V, Nb, Ta, Mo, W and

B' = Ti, Zr, Hf, Sn, Ge, Si, Nb, Ta and

$0 < x < 1$

or an oxide-nitride pigment of the general formula

$AB_{1-x}B'_xBO_{1+x}N_{2-x}$ , wherein

A = Mg, Ca, Sr, Ba, Zn,

A' = Ln, Bi, Al, Fe,

B = V, Nb, Ta, Mo, W and

B' = Ti, Zr, Hf, Sn, Ge, Si, Nb, Ta and

$0 < x < 1$

or an oxide-nitride pigment of the general formula

$A_yA'^{2-y}B_2O_{5+y}N_{2-y}$ , wherein

A = Mg, Ca, Sr, Ba, Zn,

A' = Ln, Bi, Al, Fe,

B= V, Nb, Ta, Mo, W and  
B' = Ti, Zr, Hf, Sn, Ge, Si, Nb, Ta and  
0 < y < 2

or an oxide-nitride pigment of the general formula

A'₂B₂-yB'ₘO₅+yN₂-y, wherein  
A = Mg, Ca, Sr, Ba, Zn,  
A' = Ln, Bi, Al, Fe,  
B= V, Nb, Ta, Mo, W and  
B' = Ti, Zr, Hf, Sn, Ge, Si, Nb, Ta and  
0 < y < 2

or an oxide-nitride pigment of the general formula

CD₂-mD'ₘO₄-mNₘ, wherein  
C = Mg, Ca, Mn, Fe, Co, Ni, Zn and  
D = Al, Ga, In, Ti, V, Cr, Fe, Co, Ni and  
D' = Ti, Zr, HF, Sn, Ge, Si, Nb, Ta, and  
0 < m < 2

or an oxide-nitride pigment of the general formula

C₁-nC'ₙD₂O₄-nNₙ, wherein  
C = Mg, Ca, Mn, Fe, Co, Ni, Zn,  
C' = Al, Ga, In, Ti, V, Cr, Fe, Co, Ni,  
D = Al, Ga, In, Ti, V, Cr, Fe, Co, Ni and  
0 < n < 2

or an oxide-nitride pigment of the general formula

$A'_2CBO_5N$ , wherein  
 $A'$  = Ln, Bi, Al, Fe,  
C=Mg, Ca, Mn, Fe, Co, Ni, Zn,  
B= V, Nb, Ta, Mo, W

or an oxide-nitride pigment of the general formula

$A'_2A''BO_4N_2$ , wherein  
 $A'$  = Ln, Bi, Al, Fe,  
 $A''$  = Ln, Bi,  
B = V, Nb, Ta, Mo, W

or an oxide-nitride pigment of the general formula

$A'_2DBO_3N_3$ , wherein  
 $A'$  = Ln, Bi, Al, Fe, D = Al, Ga, In, Ti, V, Cr, Fe, Co, Ni  
and B = V, Nb, Ta, Mo, W

and with means for operating the electric light source.

2. (original) An electric lamp as claimed in claim 1,  
characterized in that the electric lamp is an incandescent  
lamp.

3. (original) An electric lamp as claimed in claim 1,  
characterized in that the coating is provided on the inside of  
the bulb.

4. (original) An electric lamp as claimed in claim 1,  
characterized in that the coating additionally comprises a  
white pigment.

5. (previously added) An electric lamp as claimed in claim 1, characterized in that the pigment is electrostatically deposited on the inside of the light-transmitting bulb.

6. (previously added) An electric lamp as claimed in claim 2, characterized in that the electric lamp is evacuated.

7. (previously added) An electric lamp as claimed in claim 4, characterized in that the white pigment is selected from the group consisting essentially of kaolin, feldspar, silicon dioxide and titanium dioxide.

8. (previously added) An electric lamp which is provided with an electric light source in a light-transmitting bulb provided with a coating comprising an inorganic colored pigment selected from the group formed by oxide nitride pigments of the general formula

$A_{1-x}A'_xBO_{2-x}N_{1+x}$ , wherein

$A = Mg, Ca, Sr, Ba, Zn,$

$A' = Ln, Bi, Al, Fe,$

$B = V, Nb, Ta, Mo, W$  and

$B' = Ti, Zr, Hf, Sn, Ge, Si, Nb, Ta$  and

$0 < x < 1$

or an oxide-nitride pigment of the general formula

$AB_{1-x}B'_xBO_{1+x}N_{2-x}$ , wherein

$A = Mg, Ca, Sr, Ba, Zn,$

$A' = Ln, Bi, Al, Fe,$

$B = V, Nb, Ta, Mo, W$  and

Amendment/Response

Reply to Office action of 1 March 2004

B' = Ti, Zr, Hf, Sn, Ge, Si, Nb, Ta and

0 < x < 1

or an oxide-nitride pigment of the general formula

A<sub>y</sub>A'<sub>2-y</sub>B<sub>2</sub>O<sub>5+y</sub>N<sub>2-y</sub>, wherein

A = Mg, Ca, Sr, Ba, Zn,

A' = Ln, Bi, Al, Fe,

B = V, Nb, Ta, Mo, W and

B' = Ti, Zr, Hf, Sn, Ge, Si, Nb, Ta and

0 < y < 2

or an oxide-nitride pigment of the general formula

A'<sub>2</sub>B<sub>2-y</sub>B'<sub>y</sub>O<sub>5+y</sub>N<sub>2-y</sub>, wherein

A = Mg, Ca, Sr, Ba, Zn,

A' = Ln, Bi, Al, Fe,

B = V, Nb, Ta, Mo, W and

B' = Ti, Zr, Hf, Sn, Ge, Si, Nb, Ta and

0 < y < 2

or an oxide-nitride pigment of the general formula

CD<sub>2-m</sub>D'<sub>m</sub>O<sub>4-m</sub>N<sub>m</sub>, wherein

C = Mg, Ca, Mn, Fe, Co, Ni, Zn and

D = Al, Ga, In, Ti, V, Cr, Fe, Co, Ni and

D' = Ti, Zr, HF, Sn, Ge, Si, Nb, Ta, and

0 < m < 2

or an oxide-nitride pigment of the general formula

$C_{1-n}C'_nD_2O_{4-n}N_n$ , wherein  
C = Mg, Ca, Mn, Fe, Co, Ni, Zn,  
 $C'$  = Al, Ga, In, Ti, V, Cr, Fe, Co, Ni,  
D = Al, Ga, In, Ti, V, Cr, Fe, Co, Ni and  
 $0 < n < 2$

or an oxide-nitride pigment of the general formula

$A'_2CBO_5N$ , wherein  
 $A'$  = Ln, Bi, Al, Fe,  
C=Mg, Ca, Mn, Fe, Co, Ni, Zn,  
B= V, Nb, Ta, Mo, W

or an oxide-nitride pigment of the general formula

$A'_2A''BO_4N_2$ , wherein  
 $A'$  = Ln, Bi, Al, Fe,  
 $A''$  = Ln, Bi,  
B = V, Nb, Ta, Mo, W

or an oxide-nitride pigment of the general formula  
 $A'_2DBO_3N_3$ , wherein  
 $A'$  = Ln, Bi, Al, Fe, D = Al, Ga, In, Ti, V, Cr, Fe, Co, Ni  
and B = V, Nb, Ta, Mo, W

and also comprising a white pigment,  
and with means for operating the electric light source.

REMARKS/DISCUSSION OF ISSUES

Claims 1 through 8 are pending in the application.

Claims 1 through 7 are allowed. Claim 8 is rejected.

Claim 8 is rejected under 35 USC 103(a) as being unpatentable over Czeiler et al. (US patent 4,421,803) (hereinafter 'Czeiler') in view of Jansen et al. (US patent 5,766,336) (hereinafter 'Jansen').

Czeiler discloses a glass envelope for electric light sources including a thin glass matrix layer in which pigment grains are embedded. A preferred pigment is titanium dioxide but various cadmium-based pigments for decorative purposes are also mentioned.

Jansen discloses various oxide nitride compounds of the same general formulas as those set forth in Applicants' claim 1, and states that they are suitable for use as pigments, and for coloring glazes which can be baked at temperatures below 700°C (col. 7, lines 39, 55-57).

In response to Applicant's argument that Czeiler does not teach or suggest a white pigment in combination with a colored pigment, the Examiner urges the contrary, i.e., that Czeiler does teach such a combination, citing Example 1 (col. 5, lines 29-30) and Example 2 (col. 5, lines 52-63).

However, neither Example 1 nor Example 2 contains any teaching of combining pigments of different colors. Example 1 states that the mixture of solutions A and B has a light yellow color (line 27), but this mixture is not a pigment, but rather the precursor of the glass matrix.

Example 2 states that the procedure is similar to Example 1, with the difference that colored pigments are used (line 58), the color chosen to match the lamp color (lines 59-63). Thus, it is clear that in Example 2, the colored pigment

Amendment/Response

Reply to Office action of 1 March 2004

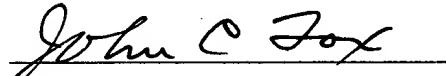
is used in place of the white pigment, not in combination with the white pigment.

In summary, there is no teaching or suggestion in either Czieler or Jansen to combine a white pigment with a colored pigment in a lamp coating.

Accordingly, it is urged that the rejection is in error and should be withdrawn.

In view of the foregoing, Applicants respectfully request that the Examiner withdraw the rejection of record, allow all the pending claims, and find the application to be in condition for allowance.

Respectfully submitted,

  
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